

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054707.D
 Acq On : 23 Aug 2022 14:45
 Operator : CG/JU
 Sample : N4257-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/24/2022
 Supervised By : Jagrut Upadhyay 08/24/2022

Quant Time: Aug 23 15:17:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	53248	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	230869	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	148084	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	292485	20.000	ng	0.00
76) Chrysene-d12	21.831	240	261774	20.000	ng	0.00
86) Perylene-d12	25.204	264	275276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	323580	114.513	ng	0.00
7) Phenol-d6	7.301	99	445287	112.464	ng	0.00
23) Nitrobenzene-d5	9.334	82	273132	67.421	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	168261	141.882	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	650451	64.776	ng	0.00
79) Terphenyl-d14	20.133	244	877881	66.618	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.577	178	95084	6.099	ng	97
75) Fluoranthene	19.581	202	226533	12.325	ng	99
78) Pyrene	19.945	202	216831	11.743	ng	98
80) Butylbenzylphthalate	20.821	149	3570m	5.677	ng	
81) Benzo(a)anthracene	21.808	228	131798	7.413	ng	100
83) Chrysene	21.878	228	135165	7.989	ng	97
84) Bis(2-ethylhexyl)phtha...	21.702	149	73250	11.448	ng	100
87) Indeno(1,2,3-cd)pyrene	29.070	276	73289	3.568	ng	97
88) Benzo(b)fluoranthene	24.128	252	189326	11.076	ng	98
89) Benzo(k)fluoranthene	24.193	252	63414m	3.595	ng	
90) Benzo(a)pyrene	25.039	252	111750	7.617	ng	98
92) Benzo(g,h,i)perylene	30.286	276	64478	3.908	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

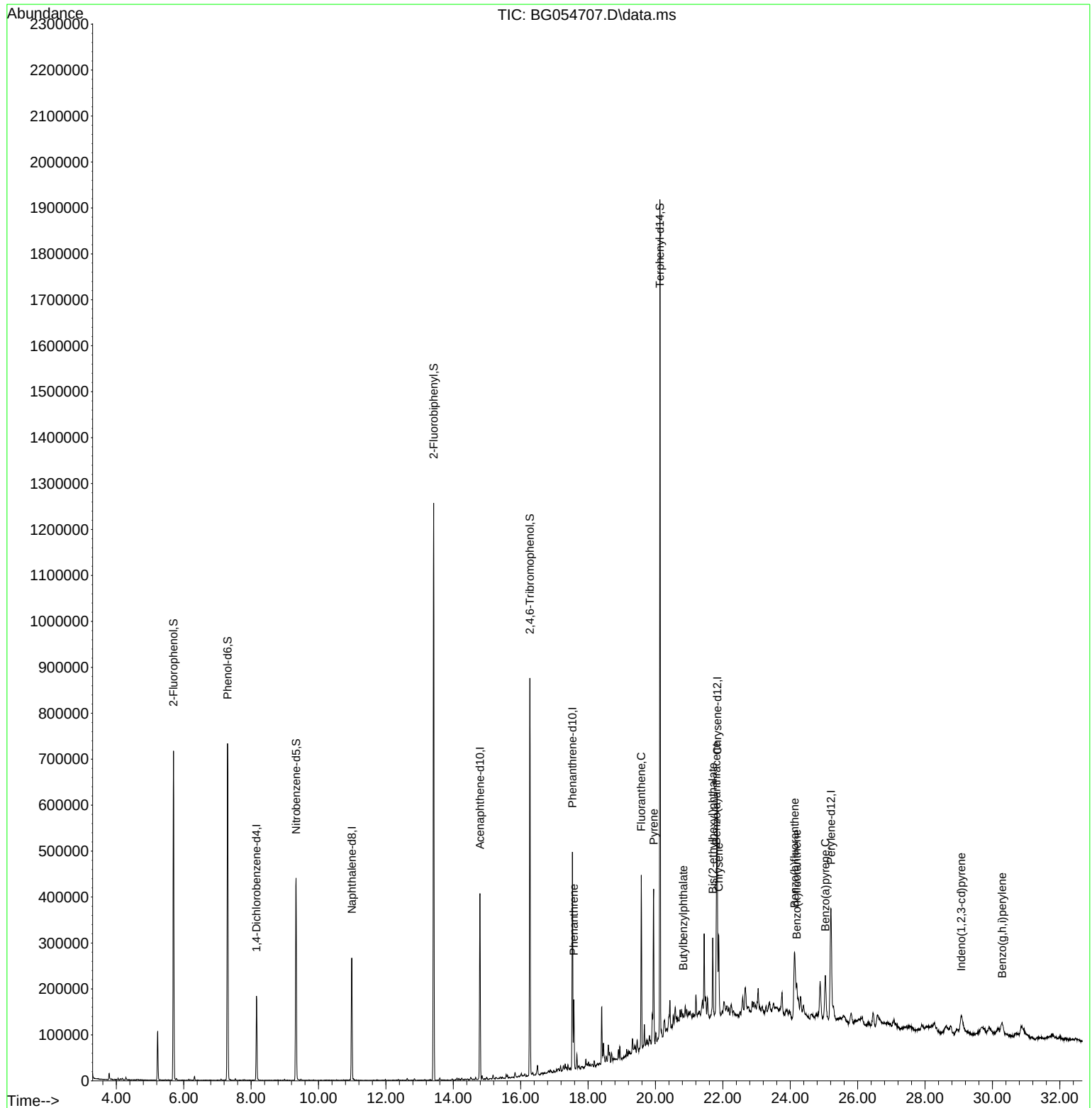
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
Data File : BG054707.D
Acq On : 23 Aug 2022 14:45
Operator : CG/JU
Sample : N4257-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

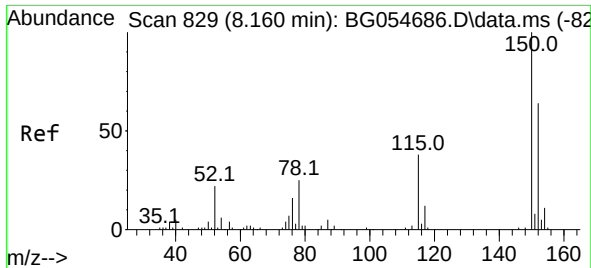
Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Time: Aug 23 15:17:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 23 03:09:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

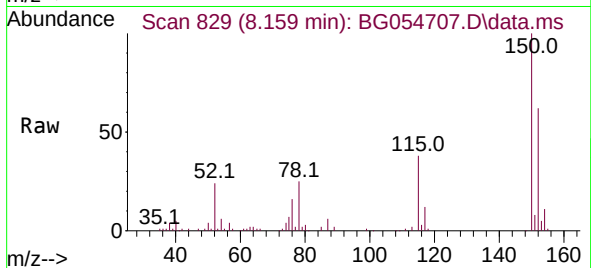
Reviewed By : Christian Giraldo 08/24/2022
Supervised By : Jagrut Upadhyay 08/24/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.159 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

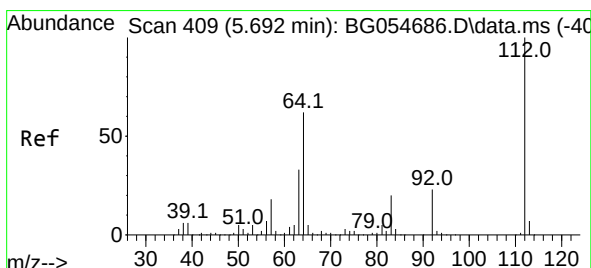
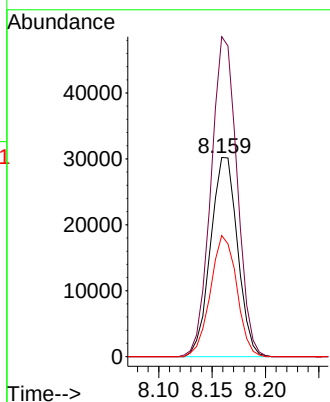
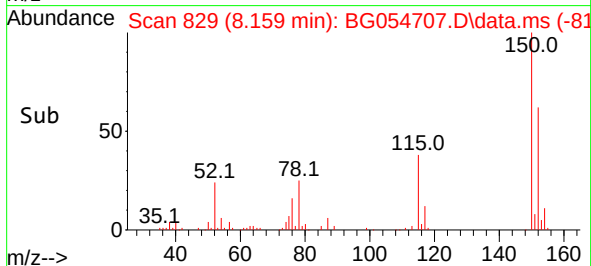
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210



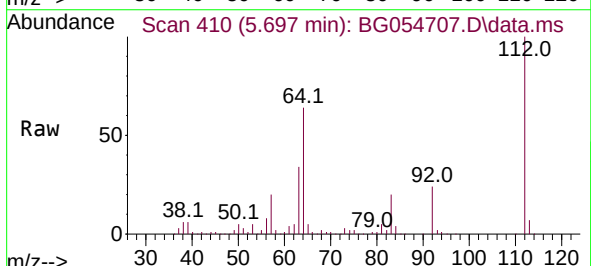
Tgt Ion:152 Resp: 53248
 Ion Ratio Lower Upper
 152 100
 150 160.8 125.2 187.8
 115 60.8 47.9 71.9

Manual Integrations
 APPROVED

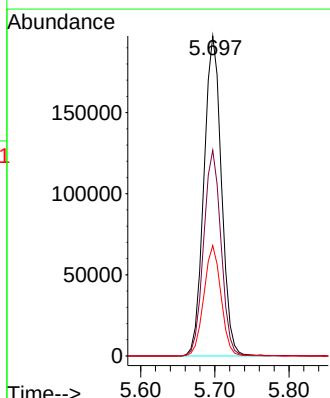
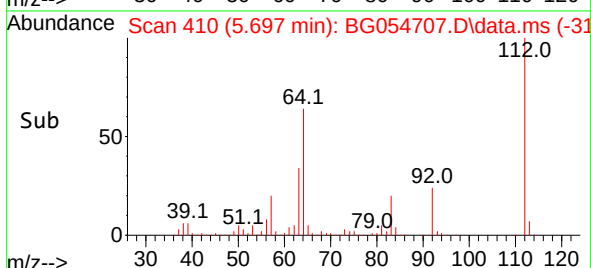
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

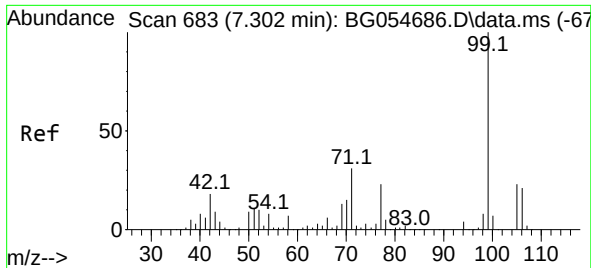


#5
 2-Fluorophenol
 Concen: 114.513 ng
 RT: 5.697 min Scan# 410
 Delta R.T. 0.005 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45



Tgt Ion:112 Resp: 323580
 Ion Ratio Lower Upper
 112 100
 64 64.3 49.3 73.9
 63 34.5 26.3 39.5





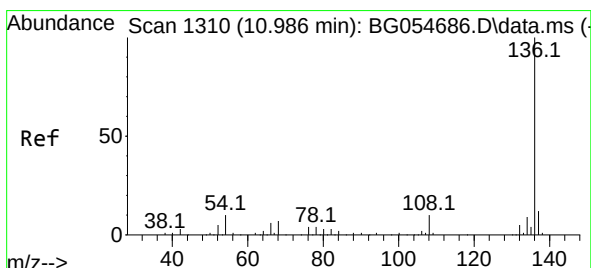
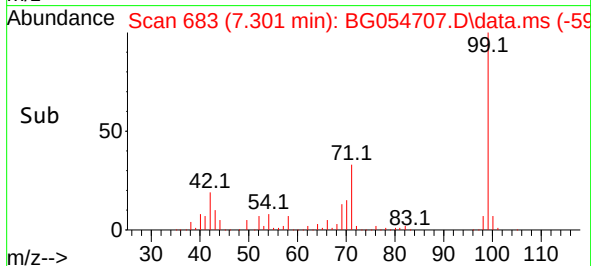
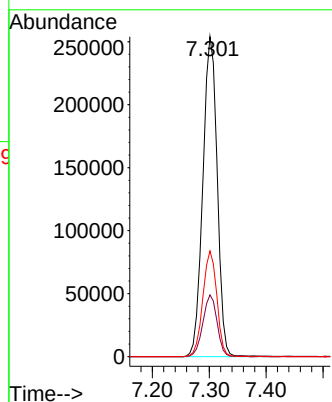
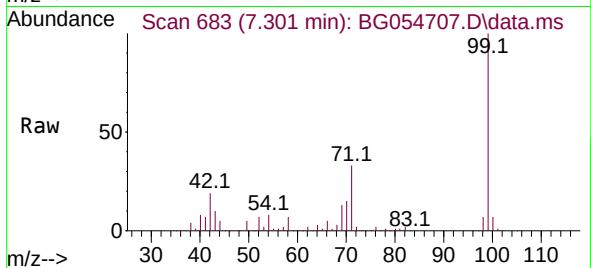
#7
Phenol-d6
Concen: 112.464 ng
RT: 7.301 min Scan# 683
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Tgt Ion: 99 Resp: 445287
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 33.0 24.6 37.0

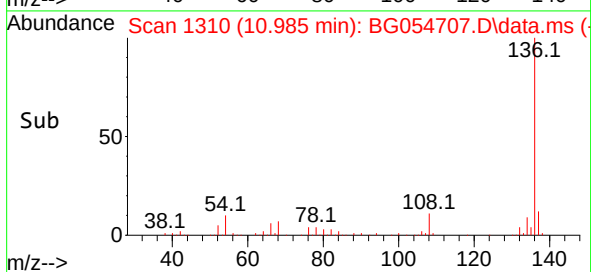
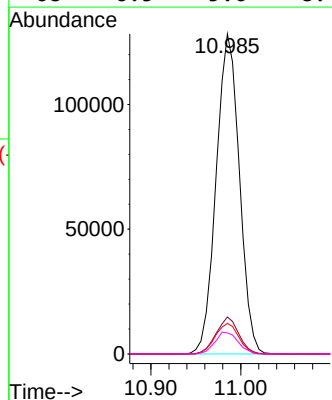
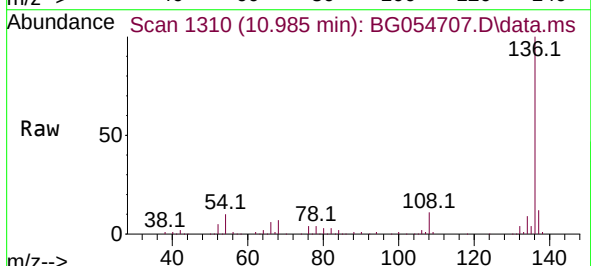
Manual Integrations
APPROVED

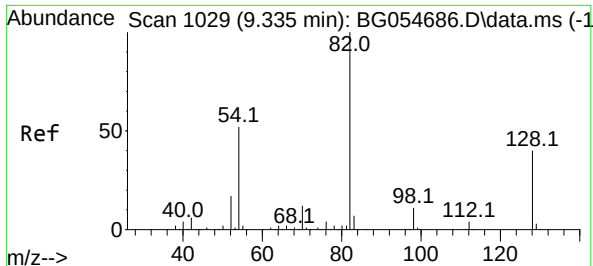
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:136 Resp: 230869
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 9.5 7.7 11.5
68 6.5 5.6 8.4





#23

Nitrobenzene-d5

Concen: 67.421 ng

RT: 9.334 min Scan# 1029

Delta R.T. -0.001 min

Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

VNJ-210

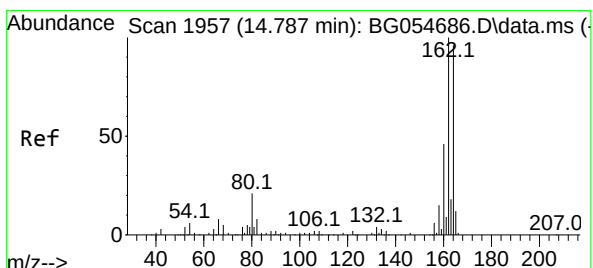
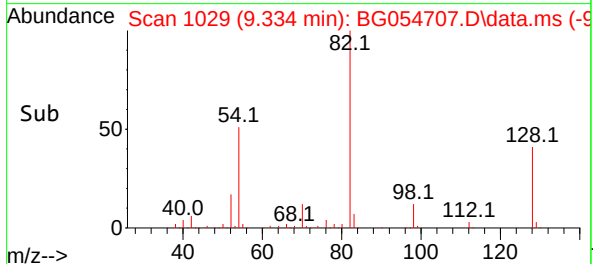
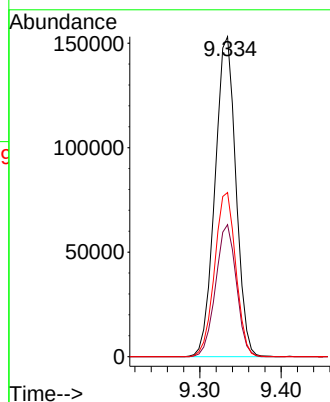
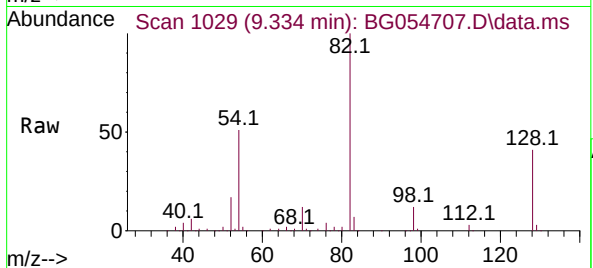
Tgt Ion: 82 Resp: 273132

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.2	48.2
54	51.3	41.4	62.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.792 min Scan# 1958

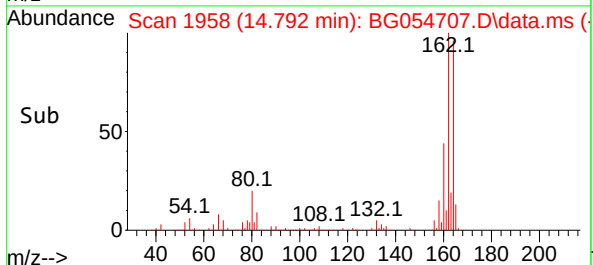
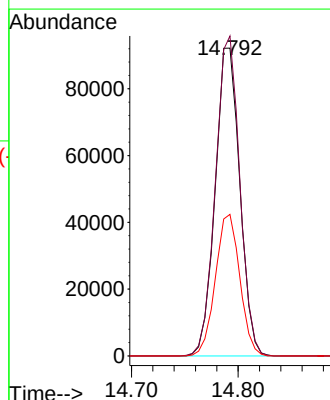
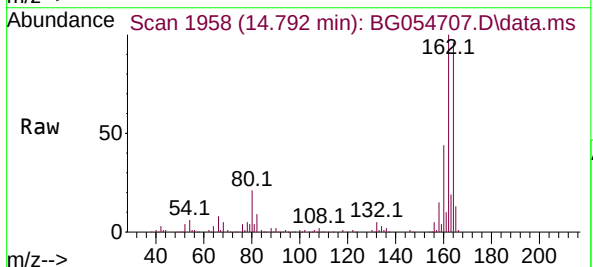
Delta R.T. 0.005 min

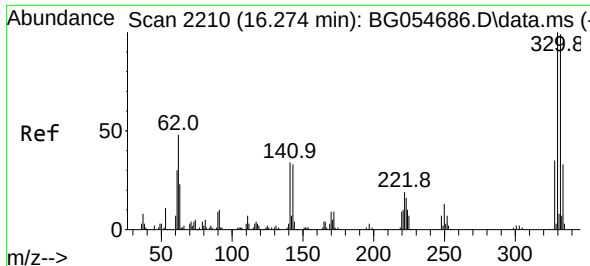
Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

Tgt Ion:164 Resp: 148084

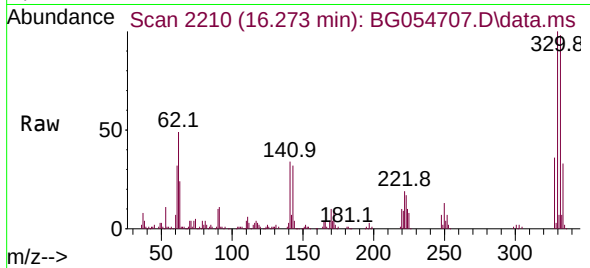
Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.0	124.4
160	46.0	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 141.882 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

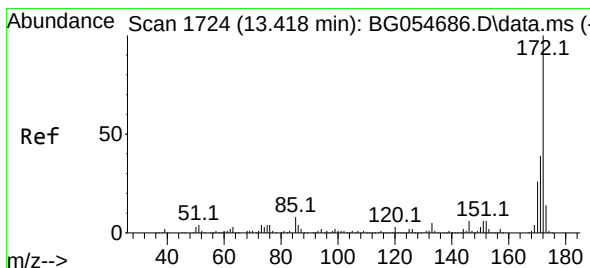
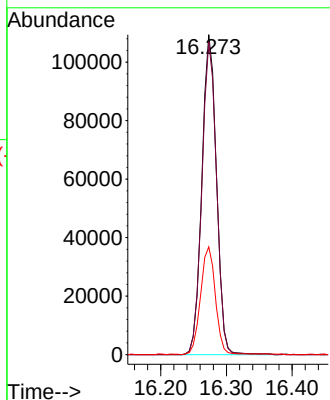
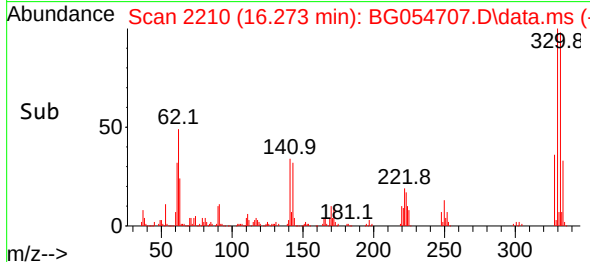
Instrument :
BNA_G
ClientSampleId :
VNJ-210



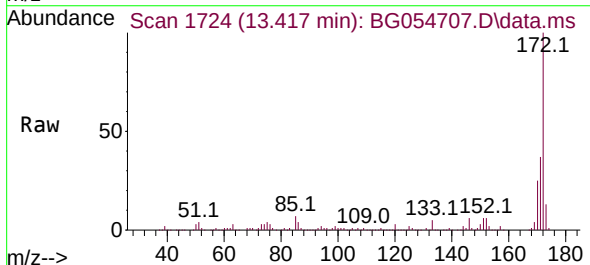
Tgt Ion:330 Resp: 168261
Ion Ratio Lower Upper
330 100
332 98.0 79.8 119.6
141 34.3 26.8 40.2

Manual Integrations
APPROVED

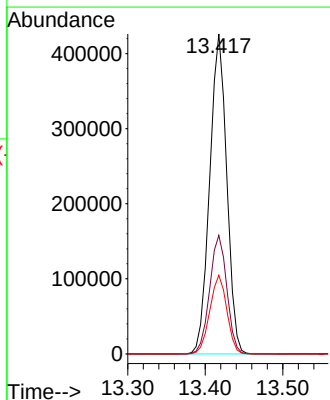
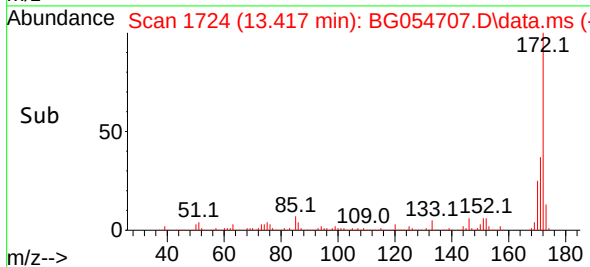
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

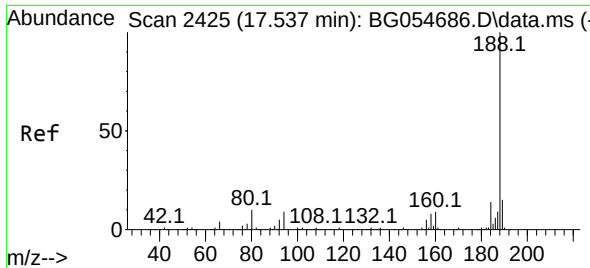


#45
2-Fluorobiphenyl
Concen: 64.776 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



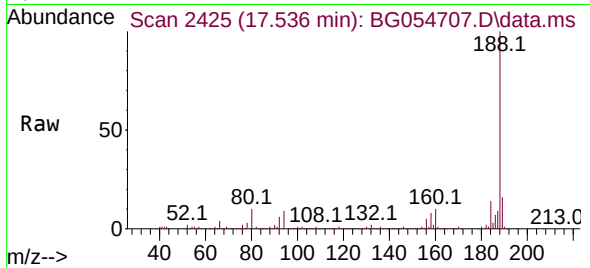
Tgt Ion:172 Resp: 650451
Ion Ratio Lower Upper
172 100
171 37.0 31.2 46.8
170 24.6 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2425
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

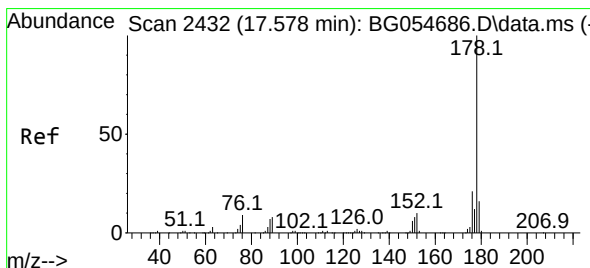
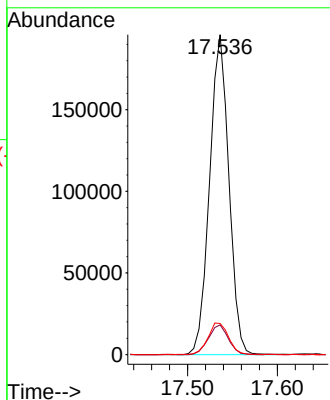
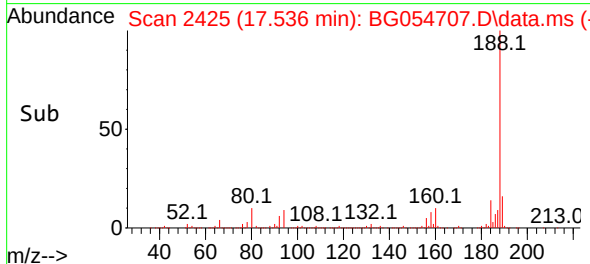
Instrument :
BNA_G
ClientSampleId :
VNJ-210



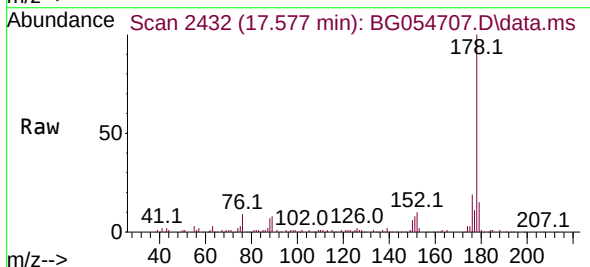
Tgt Ion:188 Resp: 292485
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 9.7 7.9 11.9

Manual Integrations
APPROVED

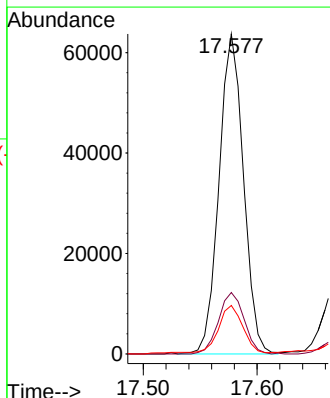
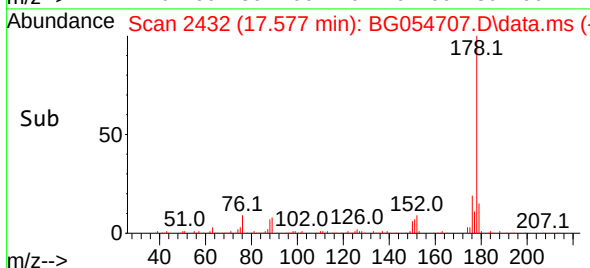
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

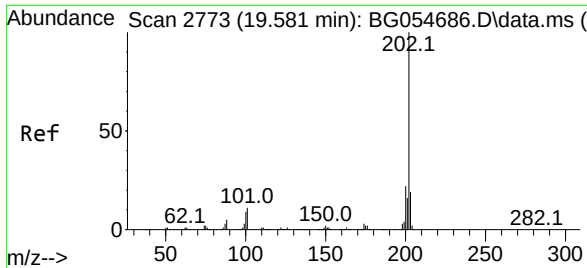


#71
Phenanthrene
Concen: 6.099 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



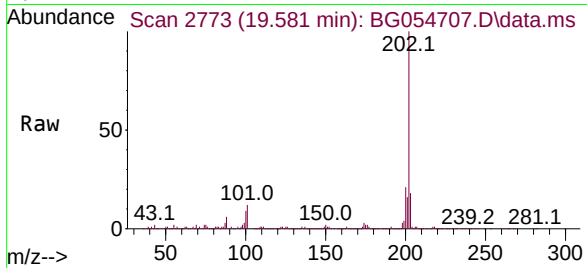
Tgt Ion:178 Resp: 95084
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 15.1 12.8 19.2





#75
Fluoranthene
Concen: 12.325 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

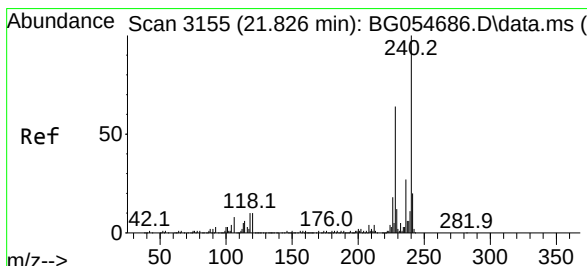
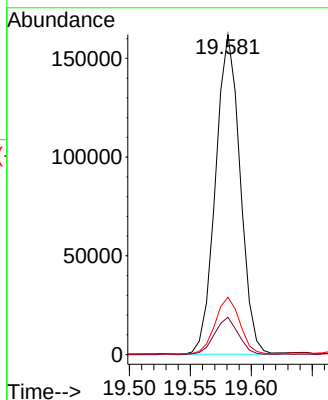
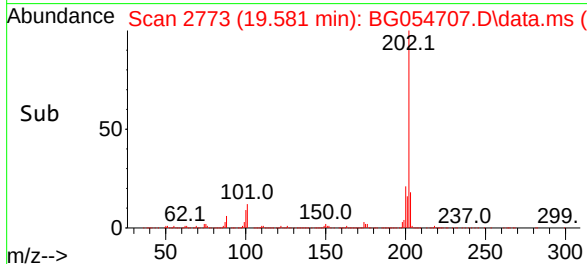
Instrument :
BNA_G
ClientSampleId :
VNJ-210



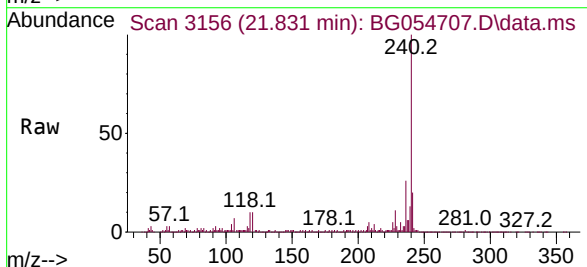
Tgt Ion:202 Resp: 226533
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.9 0.0 38.6

Manual Integrations
APPROVED

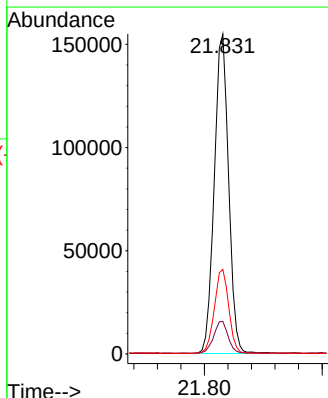
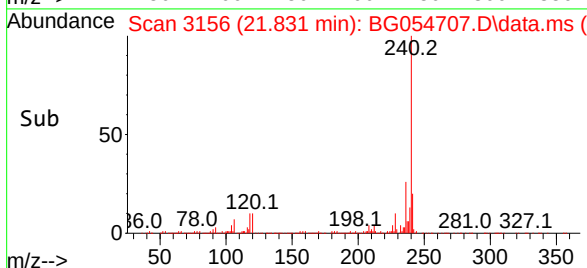
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

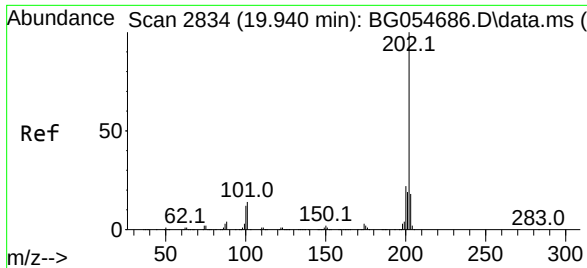


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



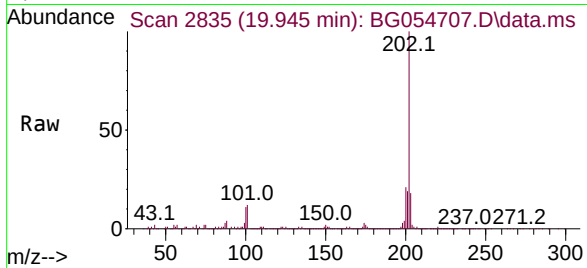
Tgt Ion:240 Resp: 261774
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.4
236 26.4 21.2 31.8





#78
 Pyrene
 Concen: 11.743 ng
 RT: 19.945 min Scan# 2834
 Delta R.T. 0.005 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

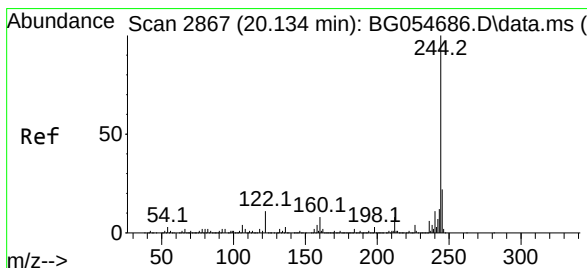
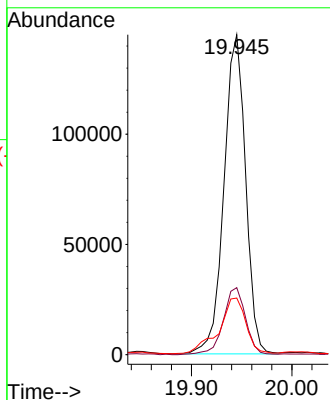
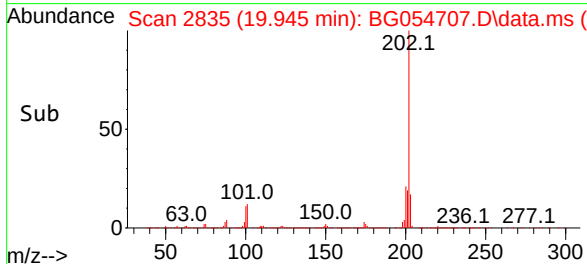
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210



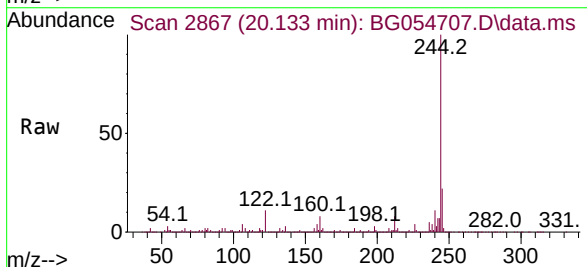
Tgt Ion:202 Resp: 216831
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.8 26.6
 203 17.7 14.6 21.8

Manual Integrations
 APPROVED

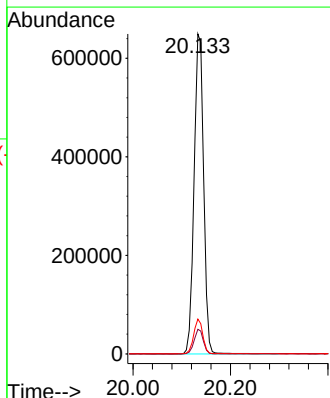
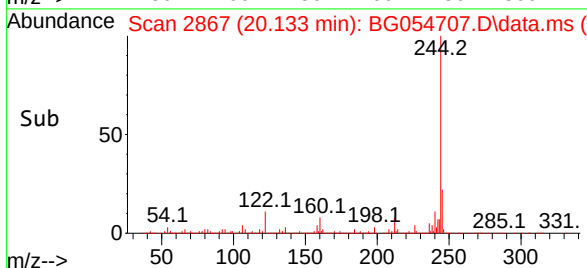
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

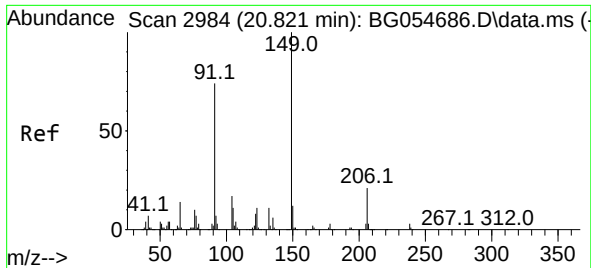


#79
 Terphenyl-d14
 Concen: 66.618 ng
 RT: 20.133 min Scan# 2867
 Delta R.T. -0.001 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45



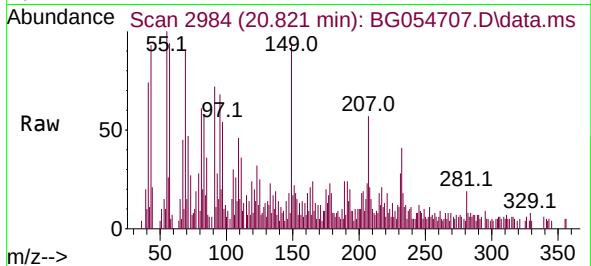
Tgt Ion:244 Resp: 877881
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.9 9.0 13.6





#80
Butylbenzylphthalate
Concen: 5.677 ng m
RT: 20.821 min Scan# 2984
Delta R.T. -0.000 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

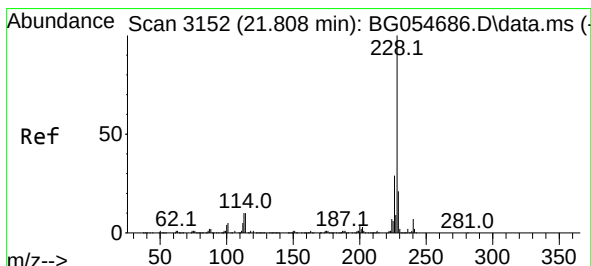
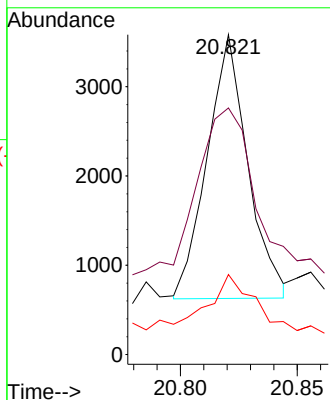
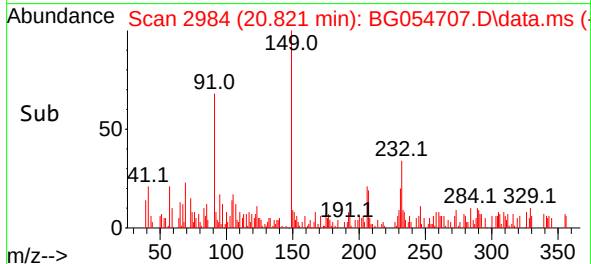
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:149 Resp: 3570
Ion Ratio Lower Upper
149 100
91 77.1 59.5 89.3
206 25.0 16.6 25.0

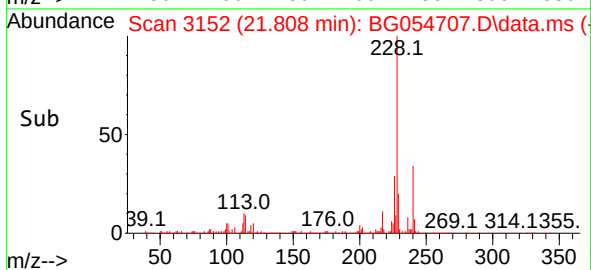
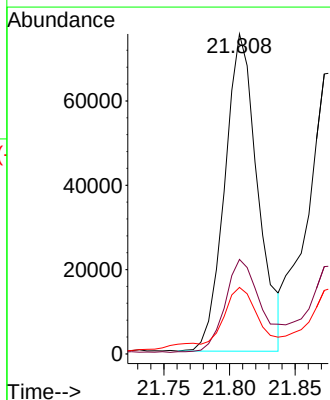
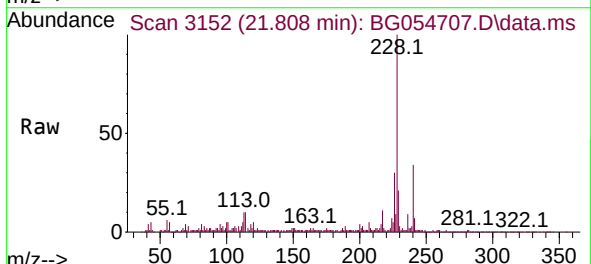
Manual Integrations
APPROVED

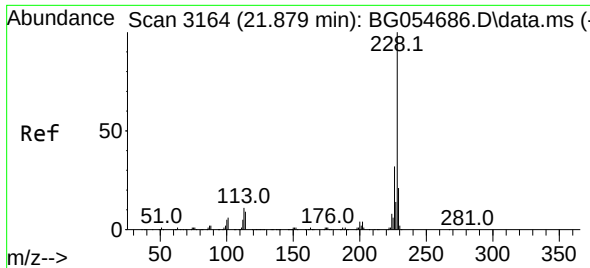
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#81
Benzo(a)anthracene
Concen: 7.413 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

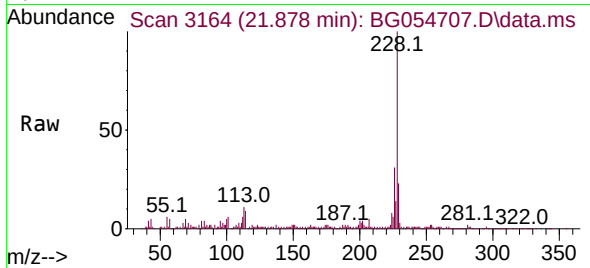
Tgt Ion:228 Resp: 131798
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 20.8 16.5 24.7





#83
Chrysene
Concen: 7.989 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

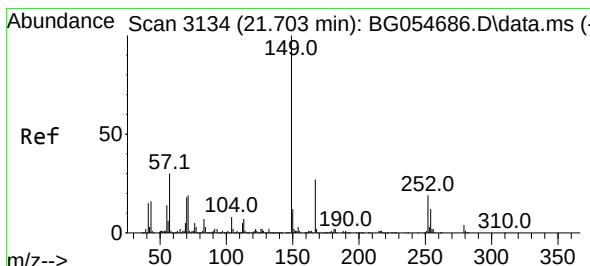
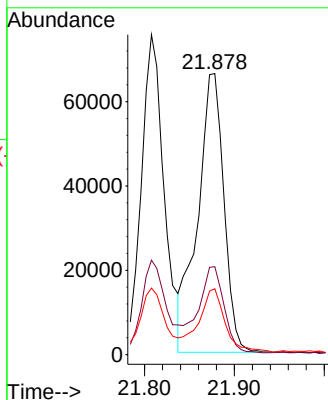
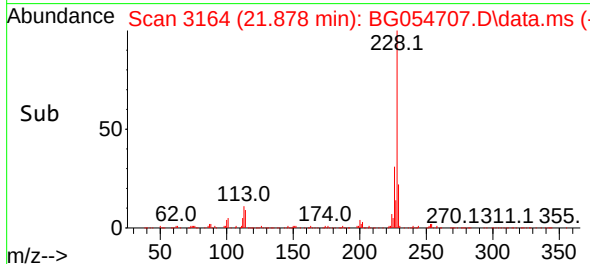
Instrument :
BNA_G
ClientSampleId :
VNJ-210



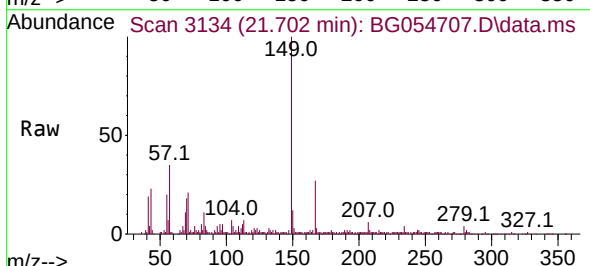
Tgt Ion:228 Resp: 135165
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 23.4 16.8 25.2

Manual Integrations
APPROVED

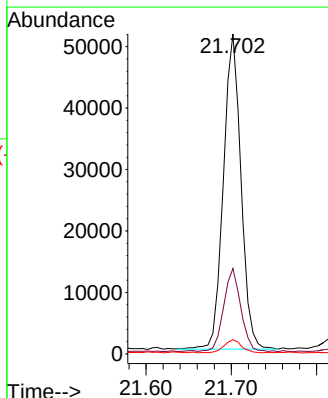
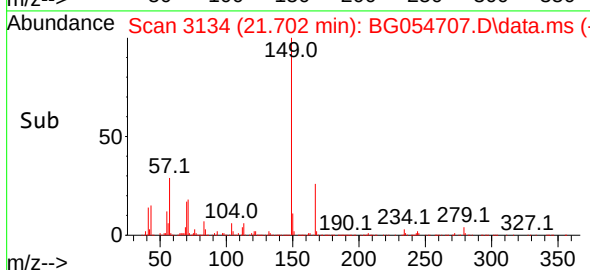
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

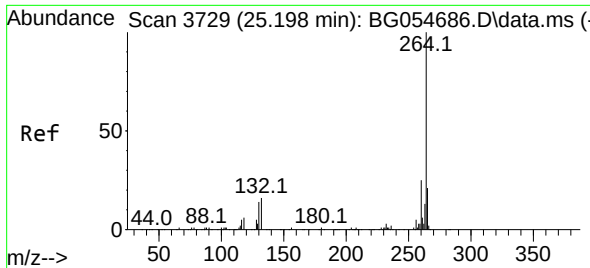


#84
Bis(2-ethylhexyl)phthalate
Concen: 11.448 ng
RT: 21.702 min Scan# 3134
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



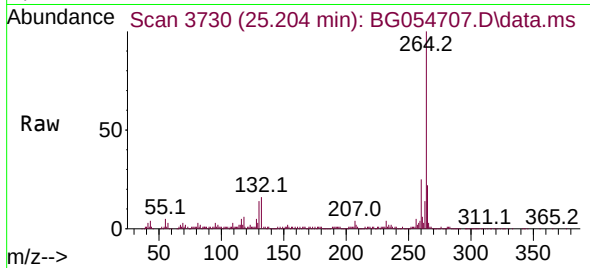
Tgt Ion:149 Resp: 73250
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 4.4 3.1 4.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.204 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

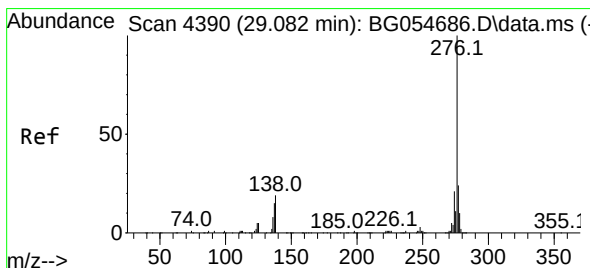
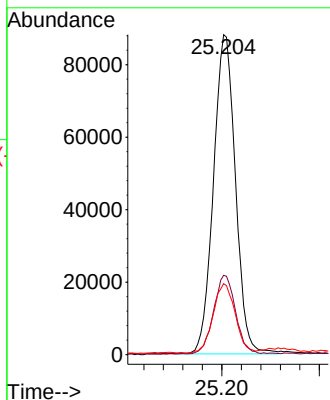
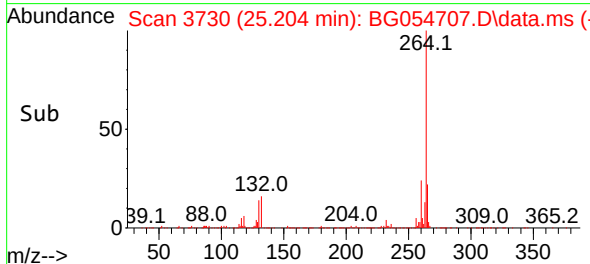
Instrument :
BNA_G
ClientSampleId :
VNJ-210



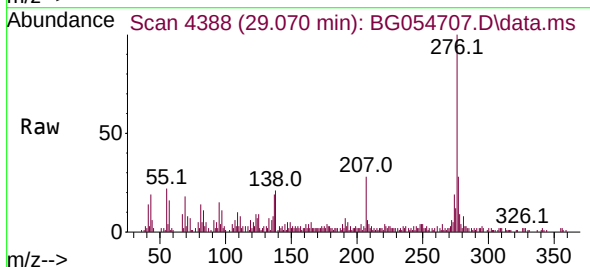
Tgt Ion:264 Resp: 275276
Ion Ratio Lower Upper
264 100
260 24.8 19.9 29.9
265 22.2 16.9 25.3

Manual Integrations
APPROVED

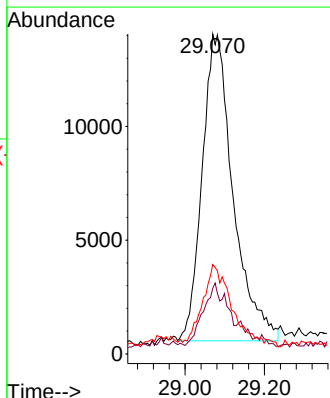
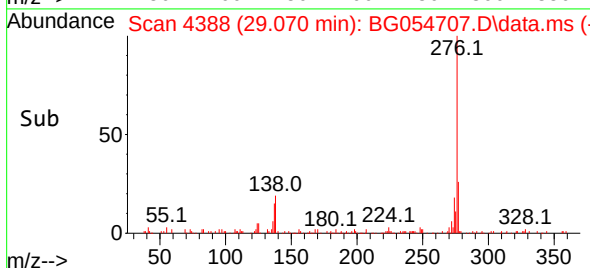
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

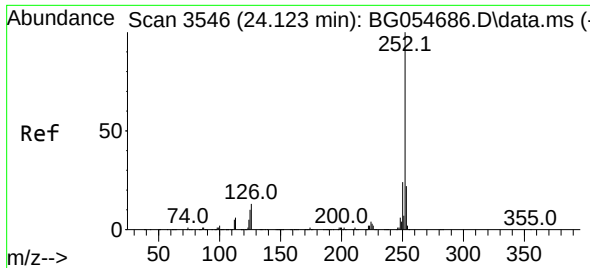


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.568 ng
RT: 29.070 min Scan# 4388
Delta R.T. -0.012 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



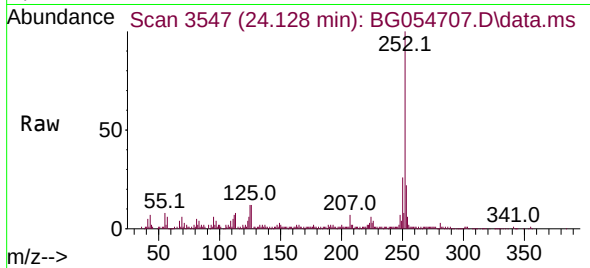
Tgt Ion:276 Resp: 73289
Ion Ratio Lower Upper
276 100
138 15.5 12.0 18.0
277 22.9 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 11.076 ng
RT: 24.128 min Scan# 3546
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

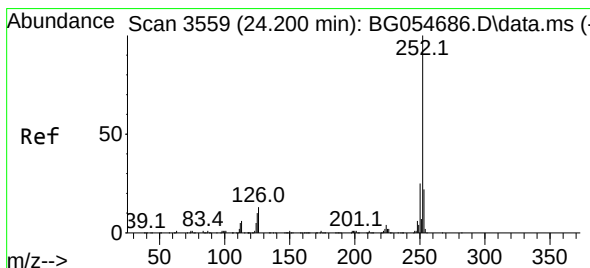
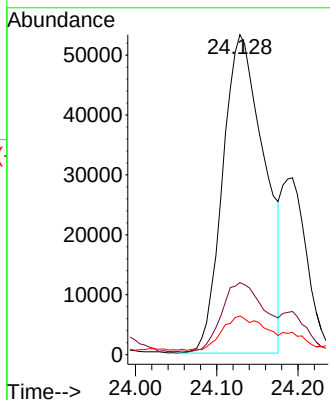
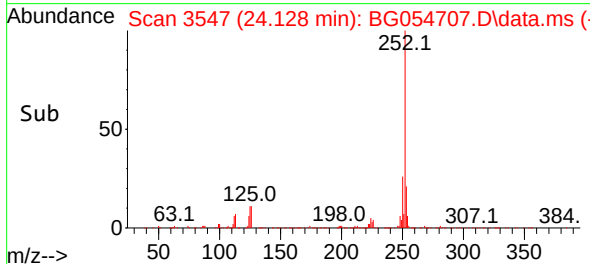
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:252 Resp: 189326
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 12.1 8.1 12.1

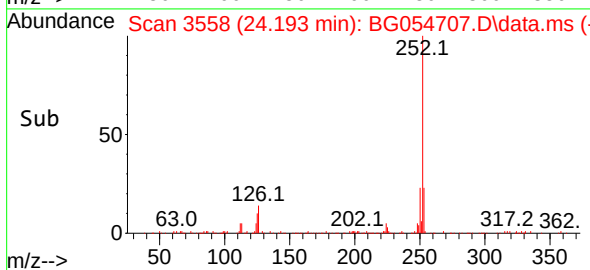
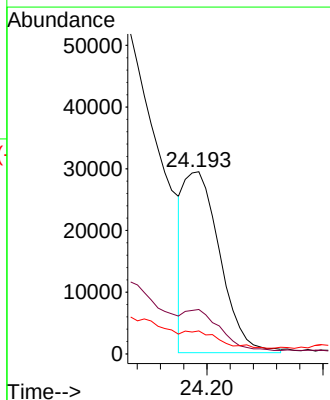
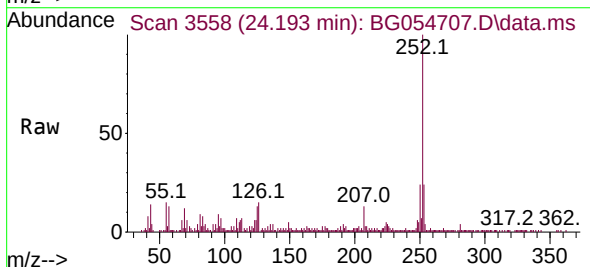
Manual Integrations
APPROVED

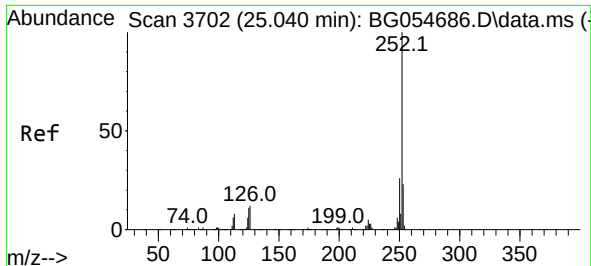
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#89
Benzo(k)fluoranthene
Concen: 3.595 ng m
RT: 24.193 min Scan# 3558
Delta R.T. -0.007 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

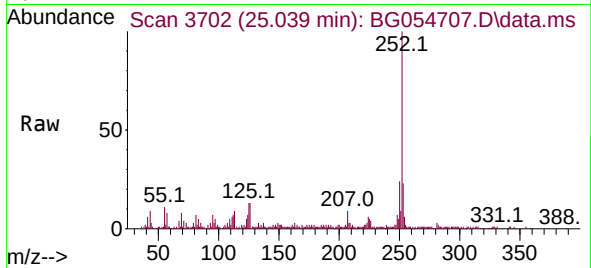
Tgt Ion:252 Resp: 63414
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 12.6 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 7.617 ng
RT: 25.039 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

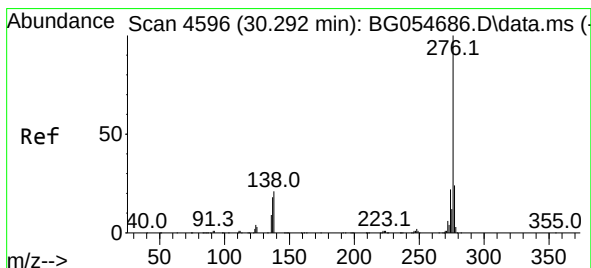
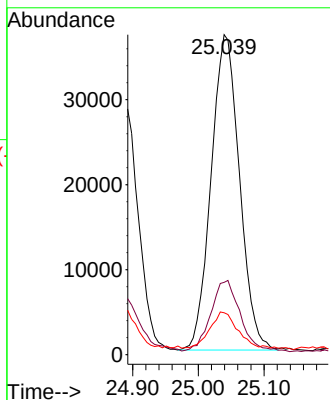
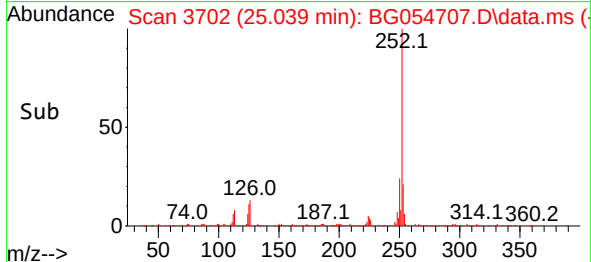
Instrument :
BNA_G
ClientSampleId :
VNJ-210



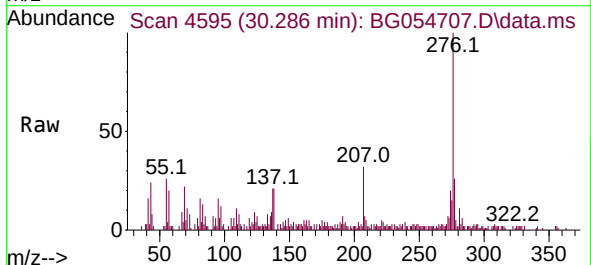
Tgt Ion:252 Resp: 111750
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 13.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#92
Benzo(g,h,i)perylene
Concen: 3.908 ng
RT: 30.286 min Scan# 4595
Delta R.T. -0.007 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45



Tgt Ion:276 Resp: 64478
Ion Ratio Lower Upper
276 100
277 25.9 19.4 29.0
138 20.7 16.6 25.0

